

REMARKS

In response to the restriction requirement set forth in the Office Action, Applicants hereby elect the species of Fig. 7(b) with traverse.

Claims 1-10, 13-27 and 42-47 read on the elected species. In addition, claims 7-10, 13-27 and 42-47 additionally read on the remaining Figures in the drawings and thus are generic to the invention claimed herein.

More particularly, Claims 1-6, which all require a laser cavity, an etched gap, and a DBR at one output, all read on Figs. 7(b) and on Figs. 5(d) –(f).

Figs. 7-9 recite a laser cavity having an etched gap, a photonic device coupled to a cavity output, with the photonic device having an etched facet at the Brewster angle. These claims read on all of the Figures, and are generic.

Claims 11 and 12 have been cancelled.

Claim 10 and claims 13-24 recite a photonic device having a cavity with an etched facet at Brewster's angle, and coupled to a second cavity having an etched gap. These claims read on all the Figures and are generic.

Claims 25-27 defining a cavity having a leg with an etched gap formed from a pair of parallel etched facets spaced apart by a specified amount, and read on all of the Figures. Thus these claims are also generic.

Claims 28-41 read on ring lasers, and thus do not read on the elected species.

Claims 42-47 define a cavity having multiple segments, an output facet, and at least one gap extending through one of the segments to produce unidirectionality, the gap having parallel etched facets spaced apart by a defined amount. These claims read on all the Figures and thus are

generic.

The requirement made in the Office Action to designate Fig. 1 as prior art is simply not understood, and thus is strongly traversed. This is the fourth Office Action in this case, yet never before has Figure 1 been considered to be prior art, and rightly so; this Figure is most certainly not prior art. In this regard, the Examiner's attention is directed to paragraphs [0018] to [0020], which discuss this Figure as illustrating one aspect of the invention, as well as to the several claims directed to it. As stated in paragraph [021], the ring laser 10 used in this Figure is a prior art laser that is used for purposes of illustrating the combination of the photonic device with a laser; however, as there stated, other lasers not only can be used with the photonic device 28, but are so used, in accordance with the description (see paragraph [037]) and the claims. The remainder of the application is primarily directed to descriptions of various lasers that can be used in combination with the photonic device of Figure 1, or in combination with other photonic devices, or standing alone. Some of those other lasers are V-shaped, others are ring lasers, but all of these lasers incorporate gaps. The claims in the application are directed to these various combinations and features.

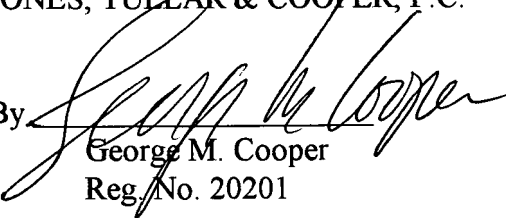
It is respectfully pointed out that in a previous Office Action in this case, dated January 12, 2006, claims 6, 14-24, 26-30, 32, 33, 35, and 38-41 were found to be allowable, and that no restriction requirement was made in that or the preceding Office Action. It was only after the Applicant successfully overcame the cited prior art applied against the other (rejected) claims in the application that the next two succeeding Office Actions were restriction requirements, with no action being taken on the merits of this valuable application. It is believed that the claims in the application are clearly allowable over the prior art, and an examination on the merits of the

application is requested.

Respectfully Submitted,

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By

A handwritten signature in dark ink, appearing to read "George M. Cooper", is written over a horizontal line.

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